

**REMARKS**

Applicant notes that the specification has been amended in response to a Notice to Comply with Requirements for Patent Applications Containing Nucleotide and/or Amino Acid Sequence Disclosures. Applicant respectfully submits that there is nothing contained in the written Specification that could be confused with an actual Nucleotide or Amino Acid Sequence.


In view of the foregoing, Applicant respectfully submits that claims 1-23, all the claims presently pending in the application, are patentably distinct over the prior art of record and are in condition for allowance. The Examiner is respectfully requested to pass the above application to issue at the earliest possible time.

Should the Examiner find the application to be other than in condition for allowance, the Examiner is requested to contact the undersigned at the local telephone number listed below to discuss any other changes deemed necessary in a telephonic or personal interview.

The Commissioner is hereby authorized to charge any deficiency in fees or to credit any overpayment in fees to Assignee's Deposit Account No. 50-0510.

Date: 7/16/02

Respectfully Submitted,



Phillip E. Miller

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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE SPECIFICATION:**

Paragraph 3 on page 13 was amended as follows:

“For example, a first hypothetical sequence “A.BC.DE[FG]PQ” [G..G.GK[ST]TL] matches [the] a second hypothetical sequence “AABBCCDAKBCLDEFGPQAABBCCDD” [MTHVLIKGAGGSGKSTLAFW] beginning at position 8 of the second hypothetical sequence. Further, letting  $T_{sj}$  denote the set of patterns that match beginning at position  $j$  of  $s$ , letting  $T'_{sj}$  denote the set  $T/T_{sj}$ , letting  $T_s = \{t_{v1}, t_{v2}, \dots t_{vm}\}$  denote the concatenated list of  $T_{sj}$  's for all  $j$  ( $1 \leq j \leq l$ ), it can be seen that  $T'_{sj}$  's for different  $j$ 's can contain the same pattern, thus  $T_s$  is in general a multiset.”